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1908 - 1983

NEW ENGLAND APPLE TREE
BOX 2652
WOBURN, MA 01801

EXPIRES 03/85
1ST CLASS

neat notes

THE NEWSLETTER OF NEW ENGLAND APPLE TREE

JULY PROGRAM

Terry Scheller, president of Bugatti and NEAT will give a presentation on business software, discussing various accounts receivable, accounts payable, general ledger, order entry, etc. programs. Included will be demonstrations of two business demonstration packages, one which runs on prodos. The meeting will then be opened for a general question and answer session about business software. THE MEETING WILL BE WEDNESDAY, JULY 18, 1984 AT 7:30 PM IN THE MITRE CAFETERIA.

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N.E.A.T. Meeting
June 20, 1984 P. 1
By Alice Janian

Present: Terry Scheller, David Lynn, John Shaw, Joe Stivaletta, Gregory Janian, Alice Janian. Meeting was opened at 7:45 P.M. by Terry Scheller.

ELECTIONS:

NEW OFFICERS ELECTED:
Terry Scheller - President
Albert Scublinsky - Vice President
Jim Miller - Vice President
Joe Stivaletta - Membership
David Lynn - Treasurer
Gregory Janian - Library
Alice Janian - Secretary

John Shaw was our speaker for the night. He brought APPLE IIc for demonstration, showed the good and bad features of the machine. Following features are included with APPLE IIc:
1. 128 K of memory
2. Build-in disk drive
3. Full-size keyboard
4. Ultrahigh-resolution graphics in 16 colors.

Since we do not have an Editor for N.E.A.T. NOTES we are going to try to put it to-gether at the Steering Committee Meeting. Richard Amirault and Jim Miller volunteered to write for N.E.A.T. NOTES. One of our goals is to purchase Products for the APPLE at a low price, by purchasing in quantity. Hopefully we will be able to purchase modems, etc. cheaper.
Joe Stivaletta and Caroline Covett are in charge of buying.

MODEMS: If you are interested in purchasing a modem, please call Joe Stivaletta, tel: 861-1899 and let him know what type of a modem you want and what the best price you've found, for it.

FIBERBILT COMPUTER CARRYING CASE:
If you are interested in purchasing a case call Caroline Covett, Tel: 646-4163. This case features a foam padded cover and base, a removable locking cover that allows for cables to exit the case with the cover closed and locked, non-metalic hold down strap, rubber no-slip bumpers, molded fibre-glass construction. The price is $69.50 which includes freight: If we can get total orders of six or more, we can get a 30% discount. Orders must be prepaid; make your checks out to NEAT and send them to Caroline.

DISCETTES: Please give or send NEAT librarian Greg Janian a check for $75.00 to pre-order 50 discettes with hub rings and envelopes, bulk packed. Everyone having bought these discettes in the past has been completely satisfied.

NEEDED: Coordinators for KOALA PAD (the best price we've found so far is $75. with Micro Illustrator (+ freight), HARD DISC DRIVES (see pres. Terry Scheller for now- about $1100 for a 10 meg. w/ controller), and JOYSTICKS.

Meeting adjourned at 9:30 P.M.

IMAGINATOR REVIEW BY Richard Amirault, P.O. Box 1012, Boston, MA 02103

Today, June 13, 1984, I received my June issue of "Call A.P.P.L.E.." and saw something that I must speak out against. I have been a member of A.P.P.L.E. for quite a few years now. I joined shortly after purchasing my APPLE II (by the way it came with the "Red Book", 16K of memory, and Integer Basic) It is NOT an Apple IIe or II+, it is a (much improved) Apple II. I have purchased many fine programs from the club and the magazine articles have been quite helpful and informative. But the review of THE IMAGINATOR by William R. Miller in the June issue of "Call A.P.P.L.E." is something that I cannot let pass unanswered.

I purchased the program in question through the club and the program, without question, would be my vote for SOFTALK'S " Worst Program That I Own" I have been getting into graphics programs with my Apple as of late and this is without a doubt the least used of the many I own (Koala's Micro Ilustrator, Penquin's Complete Graphic System, Graphic Magician and Transitions, Beagle Brothers Alpha Plot and Apple Mechanic, Accent's The Graphic Solution and Stoneware's Graphic Processing System are among those in my library)

"Least Used" is putting it kindly, UN-USED is more precise. The program may indeed do everything claimed for it in the review, BUT (and it is a BIG but) the program is abysmaly SLOW. Not just on drawing the display (which is something expected and could be lived with), but the input of ANY keyboard character is unacceptably slow. It is impossible for anyone to touch type (or even fast "hunt-and-peck") with this program with any speed (and I do mean ANY speed outside of a slow crawl). This is especially irritating and destructive when entering coordinate points and/or lines into their respective editors. Because if you do NOT watch the screen carefully and WAIT until the program is ready to accept the new character before typing it in IT WILL BE LOST, AND AN INCORRECT VALUE WILL THEREFORE BE INPUT.

Mr. Miller talks about the cursor control of these editors, comparing the entering of data to that of a spreadsheet program. Well, I cannot imagine any spreadsheet program that takes A FULL SECOND to move the cursor FOR EACH LINE! (this speed was obtained using the "REPT" key by the way).

Another example of it's slowness is the main menu. After showing us the options, it takes a full four seconds before the program is ready to accept your choice. With such limitations I cannot possibly call this program "professional-quality" as Mr. Miller does. And I doubt that you would too if you've used it. INFOWORLD and BYTE had recent editorials about the integrity of its articles and reviewers. I question the integrity of Mr. Miller who can overlook such major problems in his review. Maybe he has had little experience with other programs so he had nothing to compare this one to, but if so he really shouldn't be writing reviews now should he?

My recommendation? Don't buy this program unless you've actually had a hands-on use of it or unless you think that no other program will do what you need to do. And if you still really want it, I'll sell you mine!

PS

I'll be willing to bet my next disk drive that I will not be the only one to complain about this review. I can be reached on DELPHI, address mail to BRIGHTERSIDE

Time is Money
Software review by Albert Scublinsky

After months of struggling with Home Accountant and being constantly frustrated by being unable to find transactions, the inability to backdate entries or edit previous months, and waiting for ever to go anyplace or producing any reports (which only print on paper and not on the screen), I was ready to go back to my days of financial disorder with my old reliable pen and paper.

Fortunately I came across a program that overcame all my objections: Time is Money.

To start you must create a user diskette. Once you specify your hardware (It works on the II plus and the II e) and give a name to your database (you have two in each disk), you never have to use your master disk until the following year. It is very usefull however to have a //e with 64K, you get 80 columns (it doesnt support other 80 column boards) and a lot more account categories (up to 256).

The first thing you do is define your accounts, sources of income, types of income and expense categories. This is a very simple project, and you can always go back and redefine them any way you want.

To enter any transaction you just use a very simple screen (it's pre-formatted to prompt you for entries), and you can add your own personal text remarks in the memo line. You can always search by any string in this remark line. When you transfer money between two accounts the transaction gets recorded in both, not only in one like in Home Accountant, where you can lose track of it if you are looking for it in the wrong account.

With the view function it is possible to see your transactions for any account on any predefined month or months, you can also easily get into edit mode and change any entry.

This program allows any number of credit cards or checking accounts (up to 256 if you have 64K) and permits reconciling any accounts you want in a very easy manner that reproduces the statement you get from the bank.

It is also possible to create groups of accounts or expense categories and to print reports on each of these groups, e.g. you could create a group to follow your real estate transactions or small business. Also you can define groups of accounts to follow your net worth and any Budgets you want for any expense catagories. The program will compare budget versus actual expenses. This doesn't have to be done at the beginning but can be defined at any time and can be done retroactively. On any expense category a taxable percent can be defined by you, anything between 0 and 100%.

The graphics generated are very useful: taxable against total, budgets against actual, both line graphs and/or bar graphs.

This program will also print your checks either at the time you write them or in batch processing mode.

Great you say? Well, add that all this is done in an almost instantaneous manner with barely a flicker before your reports (in view or overview modes) are generated, plus the fact that this review barely covers the surface of all the things this program can do, and you have an idea of its power.

Do I have some complaints? I wish you could combine different expense categories with different accounts in your group reports. Also, you can split checks paid out but not deposits; every deposit has to be entered separately.

Well, maybe in next year's update....

MICROSOFT MULTIPLAN

By William E. Ashcraft reprinted from ACES, S. Fla.

Question: What program handles text like a word processor, sorts data like a data base management program, and does calculations like a sophisticated spreadsheet program, and runs on an Apple II or IIE?

Answer: Nothing yet!

But the gnomes from Bellvue tantalize us with a small taste of "integrated applications" software in this extremely powerful spreadsheet program. The program is close to state of the art in the under $500 spreadsheet group. It may be close to state of the art in any class of spreadsheet that runs on the Apple II, but there are some very expensive entries in this group which I have not had an opportunity to try. We will compare the program to Visicalc in this article because Visicalc is the largest selling business program in the history of the world, and it has become an accepted if, as we shall see, a somewhat inadequate standard.

The program comes in a CPM version for the Apple as well as Apple DOS. The version reviewed is Apple DOS and runs on an Apple II, Apple II Plus, or Apple IIe. Minimum memory required is 64K, and the program will utilize 128K if available on a IIe. The program requires only one disk drive, but it must have a system file on disk and this cuts down the storage space available. Two drives are strongly recommended if you intend to use the program frequently. The program will operate on a forty column Apple display but it will toggle the softswitch for supported eighty column cards. An eighty column display is every bit as useful with a spreadsheet as it is with a good word processing program.

First the good news; the Microsoft Multiplan user's manual is as comprehensive and well written as I have seen. Like the Visicalc manual it has a tutorial which is complete enough to give you some exposure to almost all of its commands and functions followed by a reference section which explains each command and function in more detail. Appendices round out the manual. Appendix 3, "Notes for the Visicalc User", is an excellent albeit somewhat abbreviated comparison of the differences in the two programs. I would have preferred more attention in the drafting of this appendix, because many of the users will be familiar with Visicalc, and it would be useful to provide in this appendix an abbreviated set of instructions for them in order that they might use the functions which correspond to Visicalc functions immediately. The program is simply too powerful to allow one to become proficient in all of its functions without reading the manual.

Microsoft deserves special praise for the attention it has given to improvements in the user interface for this spreadsheet. This is not just a visiclone with enhanced formatting and

reporting routines. Visicalc precedes each command with the slash (/) character. After the slash is typed a cryptic string of capital letters appears at the top of the screen to prompt the user for a command. Each of the capital letters stands for a different command. Visicorp should have awarded a Masters degree to those who memorized all of the commands.

This command orientation required considerable study to get used to, and most people estimated that it took approximately twenty hours of study and practice to develop any real competence in Visicalc. How many of you who regularly use Visicalc can look at the string of capital letters which appears at the top of the screen after entering the slash character and name all of the commands? Worse, many of the Visicalc commands have options, a second cryptic set of capital letters to choose from once the first command has been entered. The hapless beginner who remembered that (/)(S) would access the disc storage system was then confronted with the letters "S L D #" from which to choose the next command.

Multiplan on the other hand displays all commands as complete words. The user still only has to enter the first letter of the word to execute any command (one keystroke rather than a (/) plus a keystroke as required by Visicalc), but the commands appear on the screen as whole words. A Help file may be accessed with detailed instructions on any command by simply moving the highlight to the command desired and entering a (?). Although study of the manual is still recommended to gain access to all of the power of this program, the Help screens are amazingly complete.

This program is one of the "second generation" spreadsheet programs. Programs in this class generally contain features which go beyond those which we would expect to see in a full featured "first generation" spreadsheet such as VisiCalc.

For example, while no one will ever mistake Multiplan for a word processor, it has very powerful formatting features which allow manipulation of text in ways which are just not possible with VisiCalc. Columns may be formatted for continuous text entry so that text may be typed across the screen without regard to column boundaries. Formatting commands allow centering of text or numeric entries, commas in numeric entries, $ signs in numeric entries, negative numbers in parentheses, % signs in numeric entries, and formatting a defined group of cells with a single command — all of which are not possible with Visicalc.

The print formatting functions are equally impressive for a spreadsheet. The program allows one to define the area of the sheet to be printed and to define the top, left, and right margins, the number of lines per page, and the number of lines printed per page. It is not necessary to design the page breaks into spreadsheet as was required with Visicalc. Additionally all of these parameters and more such as a printer setup string are stored when the file is saved. After the parameters have been entered and stored once, printing a file is a two keystroke command— (P)(Return)

One of the print instructions allows the program to automatically print row and column numbers when a file is printed. Another allows the printing of formulas which appear in the same

order and locations as on the spreadsheet unlike the Visicalc method of printing a vertical listing in reverse order. Although the program has a command which is functionally equivalent to the Visicalc Print File command which will create a text file for subsequent manipulation by a word processor, it should seldom be necessary to use it for that purpose given the text editing power of this program. There was even a report at an ACES Business User's Group meeting that some educators were using the program as a text editor because of its ability to produce multiple columns of text on a page, a function which is difficult to perform with most word processors, including Wordstar.

The program allows the user to sort entries in a column by reordering the rows in the column into the following groups:

1st	Numbers
2nd	Text
3rd	Logical and Error Values
4th	Blank cells

Multiple sorts may be accomplished by sorting more than 1 column in succession, but the operation requires a separate sort command for each column (catagory). Because the program reorders entire rows when sorting some care must be taken at the design stage to insure that it is appropriate to move all of the information in those rows which will be sorted.

Some of the other differences between Multiplan and Visicalc are the following:

1. Multiplan cells can read text as well as values from other cells.

2. Some commands which can only act on one cell in Visicalc can operate on a defined rectangular area of cells in Multiplan, ie.

   Blank

   Format

3. Some commands which can only act on an entire row or column in Visicalc can operate on less than a full row or column and can act on any defined rectangular area of cells in Multiplan, ie.

   Insert

   Delete

Move

4. Multiplan permits the assignment of a name to any cell or group of cells defined by the user. Once names have been assigned formulas may be constructed using names rather than cell coordinates. A formula may be constructed for example as follows: (MATERIAL)+(LABOR)+(OVERHEAD). This feature if used properly tends to make a template self documenting - a very useful feature.

5. Multiplan has an External Copy command which allows one spreadsheet to read information from another. The sheets may be linked so that a series of sheets each reads predefined (using the Name command) information from other sheets as it is loaded. This same function can be accomplished manually with Visicalc DIF files, but the procedure is much more cumbersome.

6. Multiplan has a Lock command which can be used to lock individual cells or all cells containing formulas or text from user's named Murphy or who subscribe to his law.

7. Multiplan permits up to eight separate windows.

8. Multiplan permits formulas which concatenate text and values. The formula (TOTAL MEMORY)&"K" might return the value "128K".

Now the bad news. Microsoft has developed a copy protection scheme which occasionally protects its program disc from even booting. The program is delivered on two diskettes, a Boot disc which contains the essential elements of the program and a System disk which contains some less frequently used routines and a text file containing fairly complete instructions which can be accessed with the Help command. The System disc may be freely copied, but the Boot disc may be copied only once using a copy program contained on the Boot disc itself which is deleted from the menu once the one "legal" copy has been made.

I use two Apples. The older one is an old Apple II which I converted to a II Plus by switching the ROMs with those from an Apple Applesoft ROM card. The drives have a few miles on them, and I simply could not get the backup Multiplan Boot disc to boot on the older Apple. Frustated I took the Program (Boot) disc, the backup, the computer, and the drives to the Computer Works and explained my problem. Mark, the technician at the Computer Works told me that occasionally the Multiplan discs fail to boot even on their brand new computers and advised me to clean my drives before I incurred a service charge. I was grateful for the advice (my drives were a little dirty on inspection), but, alas, that was not my problem. The disc still failed to boot. I returned to the dealer, surrendered the troublesome backup disc and asked them to fix it. When I returned that afternoon they provided me with a backup disc which has been quite satisfactory.

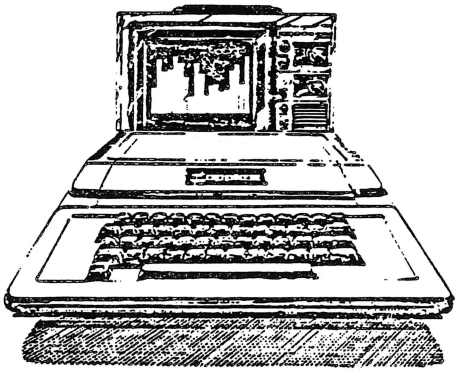
I am not a fan of copy protection for software. It doesn't really keep dedicated pirates from making unauthorized

copies for profit. It does however do a tremendous disservice to the end user, especially the business user who may suffer significant damages if his program disc fails to boot. For my own protection, I plan to have my Boot disc copied by a Wildcard or one of the other hardware based copy systems.

The power of this program has a price, and the tender is available RAM for your files. Multiplan will recognize the full 128K on an Apple IIe so equipped, but it will only recognize 64K on an Apple II or IIplus regardless of the extra memory boards you may have. This means that with 80 column video on an Apple II or IIplus the user's workspace is only about 21K or slightly more than the user has available in Visicalc running on a 48K Apple. When names and other powerful features of the program are used each file uses more memory than an equivalent Visicalc file such that a 19K Visicalc file that will work on a 48K Apple may not fit in the 21K available on a 64K Apple running Multiplan. This may be overcome by using the program's External Copy feature to divide large spreadsheets into smaller ones that share data, but it would seem that a PreBoot diskette for Multiplan similar to the ones available for Visicalc allowing the program to recognize additional RAM provided by popular add on boards should be a high priority for some enterprising software house. I also use Multiplan on an IBM PC at the office, and the workspace available on a 128K machine is very useful.

Multiplan seems to load files faster than Visicalc, but recalculating large spreadsheets takes longer possibly because the the program keeps recalculating until all cells have the correct values or until it finds an endless chain of references. I don't find this particularly bothersome since, I invariably set my spreadsheets not to calculate automatically. A fringe benefit is that I no longer need concern myself with the Visicalc (/)(G)(O) "order of calculation" command; it is not necessary with Multiplan.

On the whole I am very pleased with this program. It is much easier to teach to my office personnel, and I have come to regard its text processing capabilities as indispensible in a spreadsheet.



SOFTWARE LIBRARY NEWS

N.E.A.T. Public domain software library contains 250 Volumes of programs. Our library is open to members only; please send your $15.00 membership fee if you have not already renewed. There are two ways to obtain copies from the library:

1. Give a disk and $1.00 per Volume, to the librarian at the meeting and he will bring your copy to the next meeting.
2. By mail: N.E.A.T. NOTES contains an order blank which you can use to order software from the library. There is $1.00 copy charge, per disk side, plus a $2.00 mailing charge ($3.00 Canada). If you ordering on N.E.A.T. disks send $2.00 additional per disk. N.E.A.T. Library has an updated catalog which available for $2.50. When ordering by mail please provide the following information:
   1) Your name and address
   2) N.E.A.T. Volume number

D.O.M. for July 1984 will be a group of arcade games donated by MIAUG and is the IAC Disk #36. The games include the following: We tried the games and think that they're quite nifty as the color graphics are a great improvement over earlier arcade games that we've paid for!

JULY DISC FOR SALE: At each meeting there will be a second disc which will be available to club members for $1.00 which they can have copied onto a second disc (or the back of a notched disc) for only a $1.00 We need to raise money for our club to increase its software library. We now have a chance to buy a large set of CPM discettes which can run on the Apple with the CPM card, but need the funds to do this. THE CATALOG OF THE JULY DISC FOR SALE IS AS FOLLOWS:

DISK MANAGER, which is a set of useful DOS utilities including disk to disk copying, improved FID, and disk zap.

```
A 003 DM
A 012 DM ORDER FORM
T 002 DM.DEFAULT
T 002 DM.DEFAULT8
B 066 DM.OBJ
A 002 DM.PRINT.VERSION
B 096 DM.PRTDOCU
B 066 DMLC.OBJ
```

JULY PROGRAM: BUSINESS SOFTWARE by Terry Schelle
-Some of the details to look for and look out for.
-A demonstration for you to play with of some new business software operating under the Prodos enviroment.

The following two pages are the latest additions to the club libr...

NEAT V O L U M E #160

```
$A 003 HELLO
 B 054 GMAC.OBJ
$A 010 SOFTWARS
$A 024 SUPERDRAW
 B 034 HEADER
$A 018 DRAWINSTRUCT
$A 033 AUCTION
$A 012 DISK COMMAND EDITOR
$A 013 AUCTION.DESCRIBE
$A 010 DICE
 T 002 AUCTION.ITEMS
 T 002 AUCTION.NAMES
$A 017 SPELLING BEE III
 B 006 B-1
 T 002 SPELLFILE - OFTEN MISSPELLED
$A 026 MISTER MATH 3
$A 011 STOP III
$A 012 DEFENSE SQUAD LEADER
$A 025 CHARACTER CODE
 B 002 MOUNTAIN FALL
 B 002 DEFENDER SUBROUTINE
$A 009 CAPE'CANAPPLE'
 B 002 RESET
 B 006 B-2
 B 006 B-3
 B 006 B-4
 B 006 B-5
 A 003 SCREEN2 INTRO
 B 006 TEXT.PAGE 4
$A 030 RECIPE FILE X
 T 002 VEGETABLE DISHES.TITLES
 T 005 SALADS - CURRIED CHICKEN AND R
 T 003 SALADS - HOMEMAKER'S SALAD
 T 002 SALADS.TITLES
 T 003 MEAT DISHES - BEEF CANTONESE
 T 005 MEAT DISHES - BEEF CORDON BLEU
 T 002 MEAT DISHES.TITLES
 T 005 MEAT DISHES - CHICKEN & DUMPLI
$B 006 LETTERS
 T 003 CASSEROLES - EASTER EGG DISH
 T 002 CASSEROLES.TITLES
 T 004 CASSEROLES - NOODLES & FRANKS
 T 001 DESSERTS - JELLO FLUFF
 T 002 DESSERTS.TITLES
 T 002 DRINKS.TITLES
 T 002 MISCELLANEOUS.TITLES
 T 001 BREADS.TITLES
 T 003 MISCELLANEOUS - PRARIE BREAKFA
 B 002 MYSHAPES
$A 008 SCREEN 2
 T 001 CASSEROLES - TUNA BAKE
$A 004 AUCTIONSTARTOVER
$A 023 ALPHANUMERICS
$A 009 MENU
 T 001 SNACKS/HORS D'OUVRES.TITLES
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NEAT V O L U M E #161

```
A 021 HELLO
A 007 SET UP
A 051 BASEBALL
A 008 CONNECT4
A 004 NAME THE STATES
A 022 NTS
B 005 FILL1
B 034 USMAP50
A 012 MORONIQUIZ
A 021 THREE-D APPLE PRISONER
A 019 APPLE SCREENWRITER
T 012       BY JAMES WEILER
A 016 GIL & SULLY
A 003 SQUIGGLES
A 003 MUSIC.STARTER
B 002 PLAYER
B 009 M.PRELUDE 2
B 006 M.TELEMANN FUGUE
A 004 APPLE STOPWATCH
A 016 ELECTRIC LETTERHEAD
A 003 MAKE A MESS
A 008 THE.MAGIC.HAT
A 011 NAME.CHANGER
A 009 SHAPE TABLE ASSEMBLER
A 017 ALL.BASE.CONVERTER
A 003 LABEL.INTRO
A 021 LABEL PRINTER V1.1
A 029 PLOTTER 1.3
A 030 MONEY MARKET
A 003 LOW RES EXPANSION
A 003 HIGH RES EXPANSION
T 002 FILE-COUNT
T 003 EXECFILE
T 003 YIELD1
T 002 MATURITY1
T 002 YIELD2
T 002 MATURITY2
A 018 HIDDEN.LINE.3D
T 002 YIELD3
T 002 MATURITY3
```

NEAT V O L U M E #162

```
A 003 AAA UTILITY 222
B 002 ASCII
B 013 ASCII PRINTER DRIVER
I 003 BAUD RATE
I 005 BAUD RATE ADJUSTMENT
B 002 BAUD RATE.X
B 002 DRIVER A768 L176
A 005 H14 DOCUMENTATION
B 002 H14 DRIVER.$300
B 002 H14 DRIVER.$390
B 002 H14 DRIVER.$800
B 002 H14 DRIVER.$9500
B 003 H14 DRIVER.A$C100.L$FF
B 002 H14 DRIVER.APMAIL
A 004 H14 INSTRUCTIONS
I 004 ID 440 SCREEN DUMP
B 003 ID 440 SCREEN DUMP.X
I 003 IDS 255 PRINTER DEMO
A 048 IDS-440 LABEL MAKER
A 005 LABEL NUMBERING
T 002 LISTER
A 009 LISTER TRENDCOM 200
A 005 PAPER TIGER HGR DUMP
B 003 PAPER TIGER HGR DUMP.X
B 034 PAPER TIGER.PIC
A 002 PICTURE LOADER
A 030 PRINTER CENTRONICS 779
I 009 PRINTER IDS
I 006 PRINTER IDS SETUP 1
I 010 PRINTER IDS SETUP 2
I 010 PRINTER IP 125
B 002 PRINTER PATCH
A 021 PRINTER PATCH DOC
A 011 PRINTER PR40 BANNER
A 007 PRINTER PR40 JUSTIFY
A 003 PRINTER QUICK DOC
B 002 PRINTER QUICK DRIVER
B 008 RTTY A2048 L1535
I 003 SILENTYPE BOLD PRINT
B 002 SILENTYPE BOLD.X
B 002 TTY A880 L234
B 002 TTY BAUDOT
B 013 TTY BAUDOT DRIVER
B 009 TTY BAUDOT DRIVER MICRO #14
B 005 TWO TONE ALARM
```

NEAT V O L U M E #163

```
$A 006 HELLO
$B 034 GRAPHICS TABLET LOGO
$A 018 MENU ALIGNMENT
$T 002 GRAPHICS TABLET SOFTWARE
$A 010 QUICK-DRAW
$B 005 UTILITIES
$A 002 DOCUMENT FILE LENGTHS
$A 049 TABLET-CODE APPLESOFT
$T 002 TAB.INFORMATION
```

NEAT V O L U M E #156

BINARY UTILITY GRAPHICS
BY KENNETH S. LIND, AND
THE LOYAL ONTARIO GROUP
INTERESTED IN COMPUTERS

$B 057 BUG

$A 003 HELLO
$A 005 INSTRUCTIONS
$T 029 BUG OVERVIEW
$T 044 BUG INSTRUCTIONS

$A 007 DEMO1
$A 010 DEMO2
$A 010 DEMO3
$A 008 DEMO4
$A 010 DEMO5

$B 005 ASCII.SET
$B 005 BLIPPO BLACK.SET
$B 005 BYTE.SET
$B 005 PINOCCHIO.SET
$B 005 SLANT.SET

SPACE FOR YOUR FILES :

NEAT V O L U M E #157

IAC DISK OF THE MONTH
ED'S PLOT PACKAGE
BY ED TITLEBAUM

A 002 HELLO
A 003 HELLOOLD
B 002 STARTUP
B 002 LOMEM:
A 016 ^
B 033 PIC
B 033 PIC.ED
B 033 PIC.SHAPE
A 045 PLOT
B 007 PLOT.0
B 007 PLOT.1
B 007 PLOT.2
B 007 PLOT.3
A 007 PLOT.ACF
A 010 PLOT.AVERAGE
A 007 PLOT.BASE
A 007 PLOT.CCF
A 003 PLOT.CENT
A 003 PLOT.CENT128
A 003 PLOT.CENT64
A 005 PLOT.COPY
A 005 PLOT.COPY
B 007 PLOT.DATA
A 004 PLOT.DB
A 024 PLOT.EDIT
B 002 PLOT.EDIT.OBJ
A 007 PLOT.FFT.BAS
B 019 PLOT.FFT.OBJ
A 003 PLOT.FILTER
A 006 PLOT.FUNCTION
A 007 PLOT.FUNCTIONC
A 006 PLOT.HCHIRP
A 006 PLOT.MERGE
A 007 PLOT.NONLINEAR
A 003 PLOT.NORM
B 017 PLOT.OBJ
A 023 PLOT.PIC.EDIT
A 005 PLOT.PULSE
A 005 PLOT.QUADFM
A 005 PLOT.QUADFM2
A 009 PLOT.QUADPLOT
A 005 PLOT.RANCOS
A 012 PLOT.RECFIL
A 009 PLOT.ROOT
A 003 PLOT.SHP.TEST
A 004 PLOT.SQFM
A 004 PLOT.TED
A 004 PLOT.TRIANGLE
A 006 PLOT.VCHIRP
A 005 PLOT.WINDOW
A 003 PLOT.WRITER
A 013 PLOTC

NEAT V O L U M E #158

A 003 DM
A 012 DM ORDER FORM
T 002 DM.DEFAULT
T 002 DM.DEFAULT8
T 002 DM.LISTCAT
B 066 DM.OBJ
A 002 DM.PRINT.VERSION
B 096 DM.PRTDOCU
B 066 DMLC.OBJ

NEAT V O L U M E #159

IAC DISK OF THE MONTH
FROM THE STANISLAUS
APPLE USERS GROUP :
DISK LIBRARY AND
MAINTENANCE UTILITIES

$A 003 BELL
$A 003 CATPRINT
$A 009 COPYA
$B 003 COPY.OBJ0

DISK ARRANGER
$A 029 DISK ARRANGER INSTRUCTIONS
$A 002 DISK ARRANGER
$A 065 DISK ARRANGER.EXP

DISK CHECKER
$A 004 DISK CHECK INSTRUCTIONS
$B 002 DISK CHECK

DISK SECTOR MAP
$A 004 DISK MAP PROGRAM
$B 004 DISK MAP

DISK FILE SORT
$A 023 DISK SORT-VER 3.3

DISK CATALOGER
$A 042 DISKCAT
$B 006 DISKCAT.X
$T 025 HELP.CAT

$A 004 DOCUMENTATION
$B 020 FID
$A 003 HELLO
$T 024 HELP
$B 002 INVERSE REMS
$B 009 LHS CATALOG

MENU PROGRAMS
$A 006 MENU (ABBR.FP)
$A 004 MENU (SELECTIVE.FP)
$A 017 MENU (SUPER.FP)
$I 019 MENU (SUPER.INT)

PDQ COPY PROGRAM
$A 003 PDQ INSTRUCTIONS
$B 010 PDQ

SCREEN WRITE PGM
$A 002 SCREEN EDIT
$A 003 SCREEN WRITE INSTRUCTIONS
$B 002 SCREEN WRITE 2.1
$B 005 SCR.WRI.INST.1
$B 005 SCR.WRI.INST.2
$B 005 SCR.WRI.INST.3

$A 002 SHOW CTRL
$A 013 SPCA LABELLER
$A 030 SUPER LABEL PRINTER II
$A 039 TOM'S DISK MODIFIER

USING TRACK 35
$A 028 TRACK 35.INSTRUCTIONS
$B 002 TRACK 35.OBJ
$T 008 TRACK 35.SOURCE

NEAT - AN APPLE USERS GROUP Software Library

ORDER FORM

Name.....

Address.....

City.....State.....Zip.....

NEAT
P.O.BOX 2652
WOBURN, MA. 01801

Enter Volume Numbers Below	Total # of Volumes	Total Amount on YOUR disk	Total Amount on NEAT disk
	SUBTOTAL		
	ADD SHIPPING		
	TOTAL		

One Volume copied on YOUR disk $1.00

One Volume copied on NEAT disk $3.00

ADD POSTAGE AND HANDLING $2.00

A NEW CATALOG

OF NEAT SOFTWARE@

Do you know our club has over (42) EAMON Adventures on our club disks? It's a fact. Do you know we also have over 29 Pascal public domain software disks in our library containing machine language utilities, games, and business programs? Do you know we have over 160 DOS 3.3 disks and 8 CP/M disks in this very same library? And (the mystery question) do you know that each disk costs only $1.00 when copied on your disk at a meeting ($3.00 if copied on a NEAT disk at a meeting, and $5.00 if copied on a NEAT disk and mailed to you)?

You didn't? Foolish you. Ignorance is no excuse, and you needn't be ignorant any longer if you purchase one of our new NEAT Catalogs of Public Domain Software! The catalog contains a list of the directory of every disk in our library. The going price? $2.50 if you purchase it at a meeting, $4.50 if you order your catalog through the mail.

So what are you waiting for? Order your copy of the NEAT Catalog today, because ignorance may be bliss, but a NEAT disk is better!

NEAT - NEW ENGLAND APPLE TREE

AN APPLE USERS GROUP

NEAT is the oldest Apple Users group in New England and was founded to provide for the sharing of information between users of home computers. If you own or operate an Apple computer or are thinking about getting involved in this fast growing field, please come to one of our meetings and see what it is all about.

The monthly meetings have several purposes: to conduct club business, to broaden members' knowledge about the possible uses of their Apples, to help newcomers learn about micros, and to provide mutual aid.

Each monthly meeting follows the same format: from 7 to 7:30 NEAT volunteers are available to answer questions and offer support. The business meeting follows, lasting until no later than 8:30. Next is the presentation for the evening on a topic of special interest, after which members can pick up their copy of the disk-of-the-month (D.O.M.)

The dues for members are $15/year and anyone may join at any of the meetings or by sending an application form to:

N.E.A.T.
P.O Box 2652
Woburn, MA. 01801

Membership in NEAT is a family membership which runs for one year. Members are given a membership card which allows them to attend all meetings and bring family members and guests. Each membership card also entitles the member to a copy of the DOM copied on the member's disk at each meeting.

Additional software may be purchased from the NEAT Software Library at member's prices. This software is on disk and can be ordered at the meetings or thru the mail and picked up at the meeting or mailed to the member for an additional charge. A copy of NEAT NOTES, the club newsletter, is also mailed to all members each month. Membership in NEAT entitles the member to participate in any of the club functions and run for any of the offices or volunteer for any of the committees or special interest groups. It is in this way that the most benefit is derived from this type of an organzation. We all learn from each other and whether it is software, hardware or organizations and people you are interested in, you will gain the most from direct participation.

N.E.A.T. OFFICERS and CHAIRMEN

President..Terry Scheller, 244-4833
Vice-pres.....Gary Zeiss, 655-1096
Vice-pres....Elliot Entin, 862-6418
Secretary....Alice Janian, 623-6757
Treasurer.....David Lynn, 655-6164
Library.....
  Input.....G.Janian, 623-6757
  Sales.....D.McMullin, 444-4304
  DOM (at ...D.Goldstein, 273-0567
  meeting) E.Mac Lauchlan, 878-2229
Outside User Group Contact.....
  Larry Starnes, 263-1795
Membership.Joe Stivaletta, 861-1899
Auditor.....Don Foster

SPECIAL INTEREST GROUPS

SIGED.....Jack Sheehan, 924-1197
SIGCP/M....Joe Stivaletta, 861-1899
SIGASSY.....John Shaw, 645-2679
SIGCOMM.....
SIGPASCAL..Jerry Connelly, 497-9858
SIGNEW.....Lou Tarsa, 547-3289

MEMBERSHIP APPLICATION

1. Name _____ Date _____
2. Street _____
3. City _____ State _____ Zip _____
4. Phones (a) Home _____ (b) Work _____
5. Software background _____
6. Hardware background _____
7. What will you use your APPLE for? _____
8. In what area can the club assist you? _____
9. Are you available to assist other members? _____
10. Total amount enclosed _____

1983 Membership Dues are

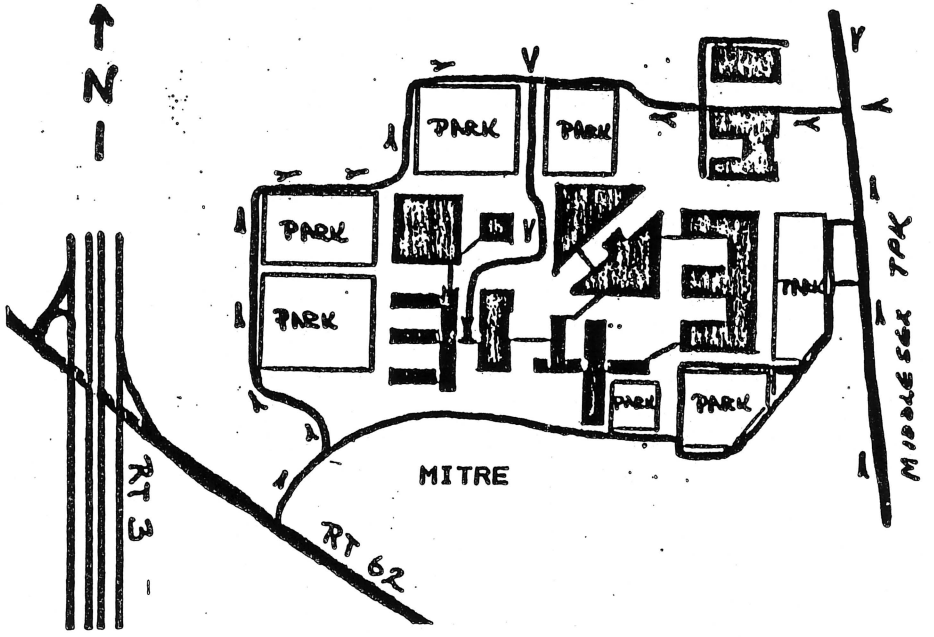
UNITED STATES..... $ 15.00

CANADA..... $ 21.00

(OFFICE USE ONLY)

PAID BY: cash check RECEIPT #_____ STATUS: New Renewal MEM #_____

The next meeting will be held the third Wednesday of the month (as usual) at the Mitre cafeteria. Mitre is on rte 62 in Bedford Ma. Take route 3 north from rte 128 to the first exit (rte 62).



New England Apple Tree- Box 2652, Woburn, Ma 01801